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TITLE : METHOD FOR PURIFYING DIFLUOROMETHANE

ABSTRACT : PURPOSE: To efficiently purify difluoromethane and obtain high-purity difluoromethane free from fear of breaking the ozonosphere by subjecting trifluoroethane, etc., contained in difluoromethane to extractive distillation using an extracting agent such as dichlorofluoroethane.

CONSTITUTION: Difluoromethane is purified by subjecting one or more compounds selected from a group consisting of 1,1,1-trifluoroethane, pentafluoroethane and methyl chloride contained in difluoromethane to extractive distillation using one or more compounds selected from a group consisting of 1,1dichloro-1-fluoroethane, dichloropentafluoropropane, trichlorotrifluoroethane and 2,2-dichloro-1,1,1-trifluoroethane as extracting agents. Furthermore, a ratio of the extracting agent to lowering liquid amount of difluoromethane in a distillation tower is preferably in the range of 1-30 times by wight.

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